Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/05/2021 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124335	-1	1.01	124244	0.96
Blue	F	SSC	125000	124193	-1	2.24	124556	2.02
Blue	E	FITC	13131	12645	-4	2.12	291	15.91
Blue	D	PE	24112	23763	-2	1.46	545	10.42
Blue	B	PerCP-Cy5-5	31295	30371	-3	2.78	1004	14.26
Blue	A	PE-Cy7	19939	19719	-2	5.00	528	27.90
Red	C	APC	42122	41408	-2	2.85	1738	11.04
Red	A	APC-Cy7	22340	21538	-4	3.04	807	11.66
Violet	B	V450	7410	7120	-4	3.12	432	12.26
Violet	A	V500	28118	27281	-3	2.63	682	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23077	0.98	561	-8	N/A	N/A	Pass
Blue	F	SSC	57877	0.84	514	2	N/A	N/A	Pass
Blue	E	FITC	53	54.62	481	-6	0.0385	78	Pass
Blue	D	PE	113	37.07	484	-4	0.4824	368	Pass
Blue	B	PerCP-Cy5-5	188	34.56	579	-7	0.0204	41	Pass
Blue	A	PE-Cy7	106	65.23	622	-6	0.0240	1	Pass
Red	C	APC	400	23.50	576	0	0.0303	220	Pass
Red	A	APC-Cy7	183	26.69	550	-1	0.0060	654	Pass
Violet	B	V450	60	65.89	452	-1	0.0746	3146	Pass
Violet	A	V500	98	35.38	464	-1	0.0290	1249	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.73	-31.49	1.12
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.58	13.60 - 20.40	N/A	N/A	29.88	30.12	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10264

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments